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Part 8: Regional requirements for countries outside the European Community

ISO/DTS 3691-8

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Chariots de manutention — Exigences de sécurité et vérification —

Partie 8: Exigences régionales pour les pays en dehors de la Communauté européenne

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CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: + 41 22 749 01 11
E-mail: copyright@iso.org
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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 2, *Safety of powered industrial trucks*.

This third edition cancels and replaces the second edition (ISO/TS 3691-8:2019), which has been technically revised.

The main changes compared to the previous edition are as follows:

- ~~changes to the Australian requirements in relation to electric counterbalance trucks travelling with elevated forks, operator restraints, platforms equipped with anchorage point(s) for fall protection, low level order-pickers, platforms with reference to AS 5144-3 and freight container handling;~~
- ~~changes to the North American requirements in relation to brakes, visibility and guarding for platforms;~~
- ~~requirements for Canada added in relation to electrical, brakes, operation alongside pedestrian and stand-on trucks, fork arms, operator restraint, ~~Electromagnetic Compatibility~~electromagnetic compatibility (EMC), visibility overhead guard and user responsibility;~~
- ~~standard load centre distance D table added;~~

- North America split into Canada and the United States of America for clarification;
- ~~Throughout~~throughout the document it was clarified which countries are addressed.

A list of all parts in the ISO 3691 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html~~www.iso.org/members.html~~.

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Introduction

The ISO 3691 series has been developed to provide globally relevant International Standards for industrial trucks. This goal was achieved with most of the issues. Where divergent regional requirements remain, these are addressed by this document.

The EN 16307 series addresses ~~the~~ legal requirements related to European Directives ~~which could~~ that are not ~~be~~ accepted worldwide. ~~“This document”~~ addresses requirements related to regulations and standards in force in Australia, Canada, Japan, South Africa and the United States of America that are not applicable elsewhere.

~~“This document”~~ does not repeat all the technical rules ~~which~~ that are state-of-the-art and ~~are~~ applicable to the material used to construct the industrial truck. For these, see ISO 12100.

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~~Industrial trucks — Safety requirements and verification — Part 8: Regional requirements for countries outside the European Community~~

Industrial trucks — Safety requirements and verification —

Part 8:

Regional requirements for countries outside the European Community

1 Scope

~~“This document”~~ gives regional requirements for Australia, Canada, Japan, South Africa and the United States of America, which are outside the United Kingdom and the European Economic Area (EEA), for the types of industrial trucks specified in the scopes of ISO 3691-1, ISO 3691-2, ISO 3691-3, ISO 3691-4 and ISO 3691-6.

It is intended to be used in conjunction with ISO 3691-1, ISO 3691-2, ISO 3691-3, ISO 3691-4 and ISO 3691-6.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of ~~“this document”~~. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2330, *Fork-lift trucks — Fork arms — Technical characteristics and testing*

ISO 3691-1:2011, ~~Amd1:2020~~, *Industrial trucks — Safety requirements and verification — Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks*

ISO 3691-2, *Industrial trucks — Safety requirements and verification — Part 2: Self-propelled variable-reach trucks*

ISO 3691-3:2016, ~~Amd1:2023~~, *Industrial trucks — Safety requirements and verification — Part 3: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads*

ISO 3691-4, *Industrial trucks — Safety requirements and verification — Part 4: Driverless industrial trucks and their systems*

ISO 3691-6, *Industrial trucks — Safety requirements and verification — Part 6: Burden and personnel carriers*

ISO 5053-1, *Industrial trucks — Vocabulary — Part 1: Types of industrial trucks*

ISO 5053-2, *Industrial trucks — Vocabulary — Part 2: Fork arms and attachments*

ISO 6055, *Industrial trucks — Overhead guards — Specification and testing*

ISO 13564-1, *Powered industrial trucks — Test methods for verification of visibility — Part 1: Sit-on and stand-on operator trucks and variable-reach trucks up to and including 10-t capacity*

ISO 20898, *Industrial trucks — Electrical requirements*

ICES-002, *Vehicles, Boats and Other Devices Propelled by an Internal Combustion Engine, Electrical Means or Both*

ANSI/ITSDF B56 (all parts), *Safety Standard for Low Lift and High Lift Trucks*

ANSI/NFPA 505, *Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Maintenance, and Operation*

AS 2359.1:2019, *Powered industrial trucks, Part 1: General requirements*

AS 2359.2, *Powered industrial trucks, Part 2: Operations*

~~AS 2359.6, Powered industrial trucks, Part 6: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks (ISO 3691-1:2011, MOD).~~

AS 5144-3:2019, *Industrial trucks - Safety requirements and verification - Part 3: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads (ISO 3691-3:2016, MOD)*

AS 4983, *Gas fuel systems for forklifts and industrial engines*

AS 22915.9, *Industrial trucks - Verification of stability, Part 9: Counterbalance trucks with mast handling freight containers of 6-m (20-ft) length and longer (ISO 22915-9:2014, MOD)*

AS 22915.12, *Industrial trucks - Verification of stability, Part 12: Industrial variable-reach trucks handling freight containers of 6-m (20-ft) length and longer (ISO 22915-12:2015, MOD)*

AS-ISO 6292, *Powered industrial trucks and tractors - Brake performance and component strength*

AS/NZS 1891-1, *Personal equipment for work at height, Part 1: Manufacturing requirements for full body combination and lower body harnesses*

AS/NZS CISPR 14.1, *Electromagnetic Compatibility — Requirements for household appliances, electrical tools and similar apparatus — Part 1: Emission*

CAN ICES-003 (A) / NMB-003(A) Issue 7, *Information technology equipment (including digital apparatus)*

CSA B335-15, *Safety standard for lift trucks*

EN 1175:2020, *Safety of industrial trucks — Electrical/electronic requirements*